

Claims

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1. An apparatus for filtering a plurality of groups of query statements according to identification data associated therewith, each group corresponding to one or more application programs posing queries to a database, the apparatus comprising:

a memory device having thereon modules of code for execution by a processor, the modules comprising:

at least one filtering module configured to receive one or more user-specified filtering criteria directed to a subset of the identification data and apply the filtering criteria to selectively exclude those of the plurality of groups not satisfying the filtering criteria.

2. The apparatus of claim 1, further comprising:

a group listing module configured to display to a user those of the plurality of groups not excluded by the at least one filtering module.

3. The apparatus of claim 1, further comprising:

a group selection module configured to receive a user selection of one or more of the groups displayed by the group listing module for selectively filtering the query statements associated with the selected groups according to user-defined filters of query explain data.

1 4. The apparatus of claim 1, wherein the identification data comprises
2 data selected from the group consisting of owner data, name data, collection ID
3 data, and version data.

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5 5. The apparatus of claim 1, wherein at least one group comprises a
6 package, each package corresponding to one application program posing queries
7 to the database.

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9 6. The apparatus of claim 5, wherein the identification data comprises an
10 owner of each package, the at least one filtering module comprising:
11 a package owner filtering module configured to filter a plurality of
12 packages according to at least one package owner specified in the
13 filtering criteria.

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15 7. The apparatus of claim 5, wherein the identification data comprises a
16 name of each package, the at least one filtering module comprising:
17 a package name filtering module configured to filter a plurality of packages
18 according to at least one package name specified in the filtering
19 criteria.

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21 8. The apparatus of claim 5, wherein the identification data includes a
22 collection ID to which at least one package belongs, the at least one filtering module
23 comprising:
24 a collection ID filtering module configured to filter a plurality of packages
25 according to at least one collection ID specified in the filtering criteria.
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1 9. The apparatus of claim 5, wherein the package identification data
2 includes a version of each package, the at least one filtering module comprising:
3 a version filtering module configured to filter a plurality of packages
4 according to at least one package version specified in the filtering
5 criteria.

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7 10. The apparatus of claim 1, wherein at least one group comprises a plan,
8 each plan corresponding to one or more application programs posing queries to the
9 database.

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11 11. The apparatus of claim 10, wherein the identification data includes an
12 owner of each plan, the at least one filtering module comprising:
13 a plan owner filtering module configured to filter a plurality of plans
14 according to at least one plan owner specified in the filtering criteria.

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16 12. The apparatus of claim 10, wherein the identification data includes a
17 name of each plan, the at least one filtering module comprising:
18 a plan name filtering module configured to filter a plurality of plans
19 according to at least one plan name specified in the filtering criteria.

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21 13. The apparatus of claim 10, wherein the identification data includes a
22 database request module (DBRM) name for each plan, the at least one filtering
23 module comprising:
24 a DBRM name filtering module configured to filter a plurality of plans
25 according to at least one DBRM name specified in the filtering criteria.
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1 14. A method for filtering a plurality of groups of query statements
2 according to identification data associated therewith, each group corresponding to
3 one or more application programs posing queries to a database, the method
4 comprising:

5 receiving one or more user-specified filtering criteria directed to a subset of
6 the identification data; and

7 applying the filtering criteria to selectively exclude those of the plurality of
8 groups not satisfying the filtering criteria.

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10 15. The method of claim 14, further comprising:

11 receiving a user selection of one or more of the groups not excluded by the
12 filtering criteria for selectively filtering the query statements
13 associated with the selected groups according to user-defined filters
14 of query explain data.

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16 16. The method of claim 14, wherein the identification data comprises
17 data selected from the group consisting of owner data, name data, collection ID
18 data, and version data.

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20 17. The method of claim 14, further comprising:

21 obtaining the identification data for at least one group from a database
22 catalog.

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24 18. The method of claim 14, wherein at least one group comprises a
25 package, each package corresponding to one application program posing queries
26 to the database.

1 19. The method of claim 18, wherein the identification data comprises an
2 owner of each package, the filtering step comprising:

3 filtering a plurality of packages according to at least one package owner
4 specified in the filtering criteria.
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6 20. The method of claim 18, wherein the identification data comprises a
7 name of each package, the filtering step comprising:

8 filtering a plurality of packages according to at least one package name
9 specified in the filtering criteria.
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11 21. The method of claim 18, wherein the identification data includes a
12 collection ID to which at least one package belongs, the filtering step comprising:

13 filtering a plurality of packages according to at least one collection ID
14 specified in the filtering criteria.
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16 22. The method of claim 18, wherein the package identification data
17 includes a version of each package, the filtering step comprising:

18 filtering a plurality of packages according to at least one package version
19 specified in the filtering criteria.
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21 23. The method of claim 14, wherein at least one group comprises a plan,
22 each plan corresponding to one or more application programs.
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24 24. The method of claim 23, wherein the identification data includes an
25 owner of each plan, the filtering step comprising:
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1 filtering a plurality of plans according to at least one plan owner specified
2 in the filtering criteria.

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4 25. The method of claim 23, wherein the identification data includes a
5 name of each plan, the filtering step comprising:

6 filtering a plurality of plans according to at least one plan name specified in
7 the filtering criteria.

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9 26. The method of claim 23, wherein the identification data includes a
10 database request module (DBRM) name for each plan, the filtering step comprising:

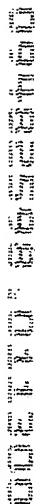
11 filtering a plurality of plans according to at least one DBRM name specified
12 in the filtering criteria.

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14 27. The method of claim 14, further comprising:

15 displaying to a user those of the plurality of groups not excluded by the
16 filtering criteria.

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18 28. An article of manufacture comprising a program storage medium
19 readable by a processor and embodying one or more instructions executable by the
20 processor to perform a method for filtering a plurality of groups of query statements
21 according to identification data associated therewith, each group corresponding to
22 one or more application programs posing queries to a database, the method
23 comprising:

24 receiving one or more user-specified filtering criteria directed to a subset of
25 the identification data; and
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1 applying the filtering criteria to selectively exclude those of the plurality of
2 groups not satisfying the filtering criteria.

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4 29. The article of manufacture of claim 28, the method further comprising:
5 receiving a user selection of one or more of the groups not excluded by the
6 filtering criteria for selectively filtering the query statements
7 associated with the selected groups according to user-defined filters
8 of query explain data.

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10 30. The article of manufacture of claim 28, wherein the identification data
11 comprises data selected from the group consisting of owner data, name data,
12 collection ID data, and version data.

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14 31. The article of manufacture of claim 28, the method further comprising:
15 obtaining the identification data for at least one group from a database
16 catalog.

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18 32. The article of manufacture of claim 28, wherein at least one group
19 comprises a package, each package corresponding to one application program
20 posing queries to the database.

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22 33. The article of manufacture of claim 32, wherein the identification data
23 comprises an owner of each package, the filtering step comprising:
24 filtering a plurality of packages according to at least one package owner
25 specified in the filtering criteria.

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1 34. The article of manufacture of claim 32, wherein the identification data
2 comprises a name of each package, the filtering step comprising:

3 filtering a plurality of packages according to at least one package name
4 specified in the filtering criteria.

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6 35. The article of manufacture of claim 32, wherein the identification data
7 includes a collection ID to which at least one package belongs, the filtering step
8 comprising:

9 filtering a plurality of packages according to at least one collection ID
10 specified in the filtering criteria.

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12 36. The article of manufacture of claim 32, wherein the package
13 identification data includes a version of each package, the filtering step comprising:

14 filtering a plurality of packages according to at least one package version
15 specified in the filtering criteria.

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17 37. The article of manufacture of claim 28, wherein at least one group
18 comprises a plan, each plan corresponding to one or more application programs
19 posing queries to the database.

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21 38. The article of manufacture of claim 37, wherein the identification data
22 includes an owner of each plan, the filtering step comprising:

23 filtering a plurality of plans according to at least one plan owner specified
24 in the filtering criteria.

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filtering a plurality of plans according to at least one plan name specified in the filtering criteria.

filtering a plurality of plans according to at least one DBRM name specified in the filtering criteria.

41. The article of manufacture of claim 37, the method further comprising:
displaying to a user those of the plurality of groups not excluded by the
filtering criteria.